

A CATALOGUE OF THE BIRDS IN THE COLLECTION OF THE
BOMBAY NATURAL HISTORY SOCIETY – 41. FAMILY: EMBERIZIDAE: BUNTINGS¹

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This part deals with 466 specimens belonging to 21 species and subspecies up to Synopsis Number 2060 of the Indian HANDBOOK (10: 234) and one extralimital specimen. We do not have specimens of one subspecies in our collection.

2041 *Miliaria calandra* Linnaeus (Sweden) Corn Bunting 3:218.

17: 7 males, 6 females, 4 unsexed (1 missing*)

1 *Mosul, Iraq, 1 Kut, 1 Feluja, Euphrates, Mesopotamia, 1 Zee, Girdal, Pusht-e-Kuh, 1 Dil Khusha, 3 Mishun, 1 Tang Talao, Persian Gulf, 1 Sheik Saad, 1 Kazerun, Persia, 2 Shustar, S. Persia, 1 Katunak 8 m SE of Shiraz, 1 Baba Hazi, 19 m SE of Shiraz, 1* Dachigam, Kashmir, 1 Jhang, Maghiana, Pakistan.*

The specimens were collected between February 1917 and February 1926, mainly from localities in the Persian Gulf by Hotson, Cheesman, Pitman, Baily, LaPersonne and Kafit, except the Jhang specimen collected by C.B. Ticehurst in December 1917, the second record for the Indian region.

Measurements on p. 11

2042 *Emberiza leucocephalus leucocephalus* S.G. Gmelin (Astrakhan) Pine Bunting 3:202.

27: 14 males, 10 females, 3 unsexed.

1 *Kilia, Drosh, 6 Chitral, Drosh, 1 Parachinar NWFP, 1 Wana, Waziristan, 2 Hygam, Kashmir, 2 Lahore, 1 Patiala State, 1 Koti State, 1 Daraspur, 4 Jagadri, 1 Ambala, 2 Chandigarh, 4 Peking, China.*

The Chinese specimens were collected by Maj. H.J. Walton on February 25, 1901 and Chitral specimens by Perreau in March 1903. The rest date back from 1909 to 1922, and a single specimen from Parachinar to February 1944.

Very distinct from other buntings, there can be a slight confusion with the female White-capped (*E. stewarti*), but the larger size and bolder streaks separate it from the smaller White-capped females.

Measurements on p. 11

2043 *Emberiza melanocephala* Scopoli (Carniola) Black-headed Bunting 3:213.

80: 49 (2 by plumage) males, 26 females (1 missing*), 5 unsexed.

2 Tamb Island, Mesopotamia, 5 Feluja, R. Euphrates, 3 Shiraz, 2 Amara, 2 Bid-e-zard, 2 Mishun, 1 Bushire, Persian Gulf, 1 Robkan, Tuhat, 2 Bagh-Dil-Khussa, 1 Bagh Rezi, 1 Ieghab, 108 m.s. of Kalat, 1 Kochau, Greshag, 122 m.s.w. of Kalat, 1 Koral, 107 m.s. of Kalat, 1 Teghat, 107 m.s. of Kalat, 1 Kalat, 1 Sunit-i-Fasil, 6 m. s.w. of Gusht, 2 Harboi, Baluchistan 1 Pulabgimi, 1 Hyderabad, Sind, 1 Karachi, 1 Chobari, Kutch, 2 Dohad, 1 Gir forest, Amreli dist; 1 Changanra, 1 Bhuj, 1 Rapar, 1 Kuar Bet, Bouni, Kutch, 1 Dabka, Baroda, 1 Amjhera, Gwalior, 1 Indore. One line type 1 Pachora, E. Khandesh, 1 Suria Mahal, 3 Nasik, 1 Sanpada, Belapur Road, 4 Belapur, 1 Panvel, 14 Bhiwandi, 1 Wada, Thana Dist., 1 Kalyan, 1 Andheri, 1 Santacruz, 1 Khandala, 2 Poona, 1 Ratnagiri, 1 Molem, Goa, 1 Cage bird, 1 Bombay market.*

Measurements on p. 11

2044 *Emberiza bruniceps* Brandt (Turkmenia) Red-headed Bunting 3:215.

23: 20 (3 by plumage) males, 3 females.

2 Kain, Persia, 1 Yepchan, Chinese Turkestan, 1 Kashgar, China, 1 Chitral, 2 Chitral Drosh, 3 Cawnpur, 2 Surwaya, Gwalior, 1 Berar, 2 Crawford market, Bombay, 2 Tiretta Bazar, Calcutta.*

A male specimen, no. 7914 collected from Surwaya, Gwalior by Salim Ali on March 18, 1938 is a freak as far as the bill is concerned, with an upper mandible of 24 mm and a lower mandible of 18.5 mm, which is almost double the normal length. *Two male specimens purchased from Tiretta Bazar, Calcutta (=Kolkata) by C.M. Inglis have very small wings and were not included in the measurements. One of them is a partial albino with white wings.

The females are difficult to separate from the females of Black-headed Bunting as they are similar in size, but they differ in having a smaller bill, and rump with a yellow wash.

Measurements on p. 11

2045 *Emberiza rutila* Pallas (Onon R., SE. Transbaicalia) Chestnut Bunting 3:216.

8: 6 males, 1 female, 1 unsexed

3 Peking, China, 2 Nyannggyo, 1 Paukkaung, 2 Prome Dist., Myanmar.

A CATALOGUE OF BIRDS IN THE BNHS COLLECTION

MEASUREMENTS PART 41

	Wing (mm)	Bill (mm)	Tarsus (mm)	Tail (mm)
<i>2041 Miliaria calandra</i>				
Males 7	98-105 av. 100.7 (IH m/f 89-101)	11.8-13 av. 12.4 from skull 12-15	24-27 av. 25.6 24-27	69-76 av. 72.5 67-76)
Females 6	91-98 av. 94	10.7-12.2 av. 11.5	24-25.3 av. 24.6	64-69 av. 66.5
<i>2042 Emberiza leucocephalus leucocephalus</i>				
Males 14	90-95 av. 91.3 (IH m/f 88-96)	10-11.5 av. 10.5 from skull 12-14	19.5-21.5 av. 20.3 c. 20	74-80 av. 76.1 78-82)
Females 10	86-93 av. 88	10-11.1 av. 10.6	19.5-21 av. 20.2	67-78 av. 72.1
<i>2043 Emberiza melanocephala</i>				
Males 49	83-98 av. 95.1 (IH 92-100)	12.5-15 av. 13.4 from skull 15-17	20-24.2 av. 22 20-23	66-80 av. 71.6 68-78)
Females 25	84-90 av. 87.1 (IH 85-92)	11.5-13.7 av. 12.7 from skull 16-17	20.5-23 av. 21.7 21-22	62-72 av. 67.5 65-71)
<i>2044 Emberiza bruniceps</i>				
Males 18	84-90 av. 87.1 (IH 85-90)	11.3-13.3 av. 12.4 from skull 16-17	19-23 av. 21 19-22	64-74 av. 69 69-70)
Females 3	80 (2), 84 (IH 82-85)	11.2, 11.7, 12 from skull 15-16	20.5 (3) 19-22	66 (2), 70 65-67)
<i>2045 Emberiza rutila</i>				
Males 6	72-78 av. 74.6 (IH m/f 74-77)	9.5-10.8 av. 9.9 from skull c. 14	18.7-20 av. 19.1 19-20	52-59 av. 56.8 56-59)
Female 1	69	9.8	19.3	53
<i>2046 Emberiza aureola aureola</i>				
Males 18	72-82 av. 76.2 (IH 77-83)	10-12 av. 11 from skull 13-14	20-21.7 av. 20.6 20-21	51-64 av. 57.1 57-68)
Females 3	69, 71, 73 (IH 72-76)	9.8, 10.3, 10.5 from skull 13-14	18.5, 19.5, 20 20-21	50, 53 (2) 54-60)
<i>2047 Emberiza spodocephala sordida</i>				
Males 4	70-75 av. 72 (IH m/f 74-79)	10-11 av. 10.3 from skull 14-15	19.5-20.5 av. 20 c. 19	56-64 av. 60.2 60-64)
Female 1	70	10.5	20.5	64
<i>2048 Emberiza stewarti</i>				
Males 18	76-85 av. 80.5 (IH 78-82)	9.3-10.8 av. 10 from skull 12-14	17.2-19.5 av. 18.5 18-19	66-75 av. 70.7 64-70)
Females 12	71-79 av. 75 (IH 72-81)	9.7-10.5 av. 10.1 from skull 12-14	18-19 av. 18.4 18-19	64-73 av. 67.2 64-70)
<i>2049 Emberiza hortulana</i>				
Males 8	81-92 av. 88.2 (IH 80-92)	10.2-11 av. 10.4 from skull c. 14	19-21 av. 19.6 19-20	62-71 av. 67 62-68)
Female 1	80 (IH 78-90)	11 from skull c. 14	19.5 19-20	60 62-68
<i>2050 Emberiza buchanani buchanani</i>				
Males 11	86-93 av. 88.1 (IH 85-93)	10-11.6 av. 11 from skull 13-15	18.7-20.5 av. 19.9 19-22	70-76 av. 72.5 69-79)
Females 4	79-84 av. 82.3 (IH 81-88)	10.2-11 av. 10.6 from skull 12-15	19.5-20.4 av. 19.9 19-20	65-73 av. 68.3 67-72)

A CATALOGUE OF BIRDS IN THE BNHS COLLECTION

MEASUREMENTS PART 41 (contd.)

	Wing (mm)	Bill (mm)	Tarsus (mm)	Tail (mm)
2051-52 <i>Emberiza cia</i> subsp.				
Males				
<i>E.c. par</i> 10	82-88 av. 85.4 (IH 80-87)	10-11 av. 10.3 from skull 13-14	19-21.2 av. 19.8 19-21	75-81 av. 77.9 75-81)
<i>E.c. stracheyi</i> 31	75-89 av. 82.4 (IH 75-89)	10-11 av. 10.5 from skull 13-14	19.5-21 av. 20.9 19-21	67-82 av. 75.1 71-79)
Females				
<i>E.c. par</i> 12	78-83 av. 80.7 (IH m/f 78-87)	9.5-10.7 av. 10 from skull 13-14	19.5-20.5 av. 19.9 19-21	72-75 av. 73.8 66-79)
<i>E.c. stracheyi</i> 11	76-88 av. 79.5	10-11.5 av. 10.5	19.5-20.5 av. 19.9	69-78 av. 72.4
2053a <i>Emberiza godlewskii khamensis</i>				
Males 2	88, 92 (Clive Byers - 83-89.5	11, 11.4 from skull - 12.2-14.9	20.8, 21.2 16.6-19.5	81, 88 77.5-91)
Female 1	93 (Clive Byers 79.5-83	11.6 from skull - 12.3-14.3	21 17.3-19.3	88 76.5-81.5)
2055, 2055a <i>Emberiza fucata</i> subsp.				
Males				
<i>E.f. arcuata</i> 7	68-73 av. 70.1 (IH 69-71)	10-11 av. 10.4 from skull 15-16	20-21 av. 20.5 22-23	60-70 av. 65.1 65-67)
<i>E.f. fucata</i> 2	68, 71 (IH m/f 71-76)	10.2, 11 from skull 15-16	20.5, 21 22-23	61 (2) 62-65)
2056 <i>Emberiza pusilla</i>				
Males 24	68-77 av. 71.4 (IH m/f 66-74)	8.5-9.7 av. 9 from skull 10-13	17-19 av. 18.2 17-22	53-66 av. 57.2 54-61)
Females 9	67-73 av. 70	8.5-9.7 av. 8.9	18-19 av. 18.5	55-60 av. 56.3
2057 <i>Emberiza striolata</i>				
Males 11	76-81 av. 78.7 (IH 73-85)	9-10.1 av. 9.5 from skull 11-13	16-17 av. 16.5 15-16	59-64 av. 61.1 56-65)
Females 3	75 (2), 78 (IH 72-80)	9.5 (3) from skull 11-13	16.5, 17 (2) 15-16	56, 59, nil 56-63)
2058-59 <i>Emberiza schoeniclus</i> subsp.				
Males				
<i>E.s. pallidior</i> 9	71-85 av. 79 (IH 80-85)	8-9.7 av. 9 from skull c. 13	19-21 av. 19.9 c. 21	57-68 av. 63.5 65-70)
<i>E.s. pyrrhuloides</i> 4	81-88 av. 83.2 (IH 77-80)	10-11.2 av. 10.4 from skull 12-14	20-22.5 av. 21.5 20-22	69-77 av. 72.2 72-80)
Females				
<i>E.s. pallidior</i> 10	68-79 av. 74.4 (IH 71-79)	8.2-9.5 av. 8.9 from skull c. 13	18.5-20 av. 19.6 c. 21	59-69 av. 63.3 65-70)
<i>E.s. pyrrhuloides</i> 1	80 (IH 75-83)	10.5 from skull 12-12	21 20-22	73 72-80)
EL <i>Emberiza citrinella</i>				
Males 2	83, 92 (Clive Buyers - 80-97	10.5 (2) from skull - 10.7-13.9	19, 20 17-21.3	70, 73 62-79)

MEASUREMENTS PART 41 (contd.)

	Wing (mm)	Bill (mm)	Tarsus (mm)	Tail (mm)
2060 <i>Melophus lathamii</i>				
Males 32	76-86 av. 82 (IH 79-86)	10.5-12.9 av. 11.6 from skull 13-16	20-22 av. 20.7 19-21	64-73 av. 67 61-69)
Females 15	75-81 av. 77.6 (IH 76-80)	10.1-12 av. 11.1 from skull 13-16	19.5-21.5 av. 19-21	62-68 av. 64 63-69)

A small, colourful finch with a fine bill. The unsexed specimen collected from Paukkaung on January 17, 1929 by J.K. Stanford is a juvenile with streaks on the crown and mantle, and chestnut rump and uppertail coverts.

Measurements on p. 11

2046 *Emberiza aureola aureola* Pallas (Irtysch River, Siberia) Yellow-breasted Bunting 3:210.

22: 18 males (2 by plumage), 3 females, 1 unsexed.

1 Jagadri, Ambala, 4 Goalpara, 2 Dibrugarh Assam, 1 Moirang, Manipur, 3 *Kyitha*, 1 *Padanng*, 1 *Prome*, 1 *Myogurin*, 1 *Henzada*, Myanmar, 1 *Temple of Heaven*, 2 *Peking, China*, 4 Bombay market.

Two specimens purchased from Bombay (=Mumbai) market (said to have come from Assam) and one from Peking, collected on June 7, 1901 are in full male breeding plumage with black forehead, face and chin. There are four males from Myanmar, collected on March 1929; one a juvenile with heavy streaks on the crown and mantle, and the other three are attaining breeding plumage, the chins are turning black, still retaining the pale tips to the chestnut mantle.

Measurements on p. 11

2047 *Eumemberiza sordocephala sordida* Blyth (Nepal) Black-faced Bunting 3:212.

5: 4 males, 1 female

1 North Lakhimpur, Assam, 4 *Peking, China*.

Three males and one female specimens collected from Peking on May 1901 by Major H.J. Walton are not in good condition. The Lakhimpur specimen collected by Stuart Baker on March 11, 1902 is in fairly good condition, marked as female on the original label, seems to be a male by plumage.

Measurements on p. 11

2048 *Eumemberiza stewarti* (Blyth) (Landour and Dehra Dun) White-capped Bunting 3:203.

30: 18 males, 12 females.

6 Chitral, 1 Kashmir, 2 Rawalpindi, 1 Razani, Waziristan, 1 Quetta, 1 Chagai Hills, Baluchistan, 1 Koti, 2 Kalka, Bhagat, 2 Simla, NWH, 1 Ambala, 1 Ashni River, Patiala, 1 Indsi, 1 Pipli, Karnal, 2 Ganges Canal, Meerut, 2 Bharatpur, 2 Sunda Hills, Jaswantpur, 2 Narwar Fort, Gwalior, 1 Hingolghadh, Jaldan.

These specimens were collected during 1886 to 1939. Easily separated from other buntings, by the grey head and upper breast, black eyestripe and throat in the male. Female has streaked head and mantle, and chestnut rump.

The unsexed Quetta specimen (December 1888) is very pale sandy brown with dark chestnut streaks on the head and mantle.

Measurements on p. 11

2049 *Eumemberiza hortulana* Linnaeus (Europa = Sweden) Ortolan Bunting 3:209.

9: 8 males, 1 female.

1 *River Tanhat, Yemen*, 1 *Feluja, River Euphrates, Mesopotamia*, 1 *Shaiba*, 1 *Basra, Iraq*, 1 *Akbarabad 52° 47' E, 29° 13' N*, 1 *Bushire*, 1 *Kazerun*, 1 *Kain*, 1 *Qabr-un-Nokada Is. Khor Musa, Persia*.

The specimens were collected between March 1897 (male, Busra, W.D. Cumming) and April 1923 (male, Khor Musa, LaPersonne). Very similar to Grey-necked Bunting, but can be separated by the greyish breast band, pale yellow throat and sub-moustachial stripe and boldly streaked brown mantle. Tertiaries have sharply defined dark brown centres.

Measurements on p. 11

2050 *Eumemberiza buchauani buchauani* Blyth (Indian Peninsula) Grey-necked Bunting 3:208.

18: 11 males, 4 females, 3 unsexed.

1 *Tehran*, 1 *Korak, Kalat*, 1 *Wahi, Khodgar, 25 m. sw of Khojdar, Baluchistan*, 1 *Karachi*, 1 *Mata-no-Madh*, 1 *Bhujia Fort, Kutch*, 1 *Deesa, Palanpur*, 1 *Patan, Mehsana*, 1 *Dhari, Amreli, Kathiawar*, 2 *Dohad, Panchmahals*, 1 *Bodeli, Baroda*, 1 *Thana*, 1 *Karjat*, 1 *Poona Sholapur Road, 30 miles from Poona*, 1 *Satara*, 1 *Aurangabad*, 1 *No locality*.

The specimens date back from 1888 (Maj. H.J. Walton, Satara) to 1968. All except one (unsexed specimen collected from Tehran by Cheesman on June 16, 1919) are in winter, non-breeding plumage.

Measurements on p. 11

2051 *Eumemberiza cia par* Hartert (Gudan, Transcaspia) Transcaspian Rock Bunting.

22: 10 males, 12 females

2 Tashkent, Uzbek, 1 Kashgar, China, 1 Elbreznits, Tehran, Iran, 1 Attock, 1 Pushkum, Ladakh, 1 Choi, nr Campbellpur, 1 Taxila, 2 Rawalpindi, 1 Jammu, 1 Lahore, 3 Chandigarh, 1 Bahawalpur town env., 1 Harunabad, 1 Chachran, 1 Lalsohara, 2 Manthar, Cholistan, Bahawalpur.

The very distinct head pattern of grey crown with black coronal stripes, on either side, separates the Rock Bunting from the other buntings. *E.c. par* is paler and less rufous above, buffish belly with a light chestnut wash. Median and greater coverts dark brown with light fulvous margins.

Measurements on p. 12

2052 *Emberiza cia stracheyi* Moore (Kumaon) Himalayan Rock Bunting 3:205.

51: 31 males, 11 females, 9 unsexed

2 Chitral Kesun, 3 Chitral, 2 Chitral Drosh, 1 Bamhal village, Kashmir, 2 Naolal village, 3 miles below Yus, 1 Near Yus, 3 Liddar valley, 1 Bangar Nulla, Kishtwar, Kashmir, 1 Marwatur Range, Waziristan, 1 Dalhousie, Punjab, 2 Gasa, Kulu, Himachal Pradesh, 1 Narkanda, 14 Simla 1 Kotgarh, Simla Hills, 1 Mashobra, 2 Koti 1 Fagu, 1 Keonthal, 1 Lambathach, 7 Garhwal, 1 Patiala, 1 Kevala, 1 Gyadzong, S. Tibet.

A much darker race than *par*. Mantle is chestnut-brown streaked with black and the belly is a deeper rufous-chestnut. Median and greater coverts dark brown with light rufous brown margins.

Measurements on p. 12

2053 *Emberiza cia khamensis* Sushkin (River Dza-chu, Upper Mekong) Tibetan Rock Bunting 3:207.

See notes on 2053a

2053a *Emberiza godlewskii khamensis* Taczanowski (E. Siberia) 1874 Godlewski's Bunting 3:207.

3: 2 males and 1 female

The specimens were collected by A.F.R. Wollaston from Kharta, 12500', S. Tibet in August 1921, during the first Mt. Everest Expedition, and are mentioned by Sir N.B. Kinnear in *Ibis*, 1922: 495-526. They are marked *E. cia godlewskii* (Godlewski's Meadow Bunting) in the original label, as in Stuart Baker's FAUNA OF BRITISH INDIA 3: 207. The distribution is given as Northern China and southeast Tibet, wintering in Sikkim and hills of Northern Assam.

"The birds are in a very worn and faded state of plumage which renders identification a matter of some difficulty" according to the collector. But I could observe a few characters in the specimens, which warrants their placement in Godlewski's Bunting rather than in Rock Bunting. In *Emberiza cia* (Rock Bunting), sexes can be separated by plumage, but in *godlewskii* there is little difference between the sexes. Even in the much worn plumage, the upper wing bar is pure white instead of the buffish wing bar of Rock Bunting. The very prominent head pattern of the Rock Bunting

is absent here. There are a few grey feathers on the centre of the crown with dark chestnut feathers laterally, not forming any striped pattern. Other characters mentioned in BUNTINGS AND SPARROWS by Clive Byers, Urban Olsson and Jon Curson, 1996, are not apparent in our specimens. I am placing them in *khamensis* based on distribution, since I did not have other races to compare with.

Measurements on p. 12

2054 *Emberiza cia yunnanensis* Sharp (Gyi-dzin-shan, east of Talifu) Yunnan Rock Bunting 3:207.
Nil.

2055 *Emberiza fucata arcuata* Sharpe (Himalayas, restricted to Simla by Baker) Indian Grey-headed Bunting 3:199.

8: 7 males, 1 unsexed

1 Dachigam, 1 Bhadrawar, Kashmir, 1 Fagu, Keonthal, 3 Yoshimadh, Garhwal, 1 Ambala, Punjab, 1 The Fimba?

The key in Indian Handbook correctly separates *arcuata* from the nominate subspecies by its pure grey head and rich chestnut upper parts. In addition to these, the ear coverts are deeper chestnut and streaks on the head are broader than those of the nominate subspecies.

Measurements on p. 12

2055a *Emberiza fucata fucata* Pallas (Onon and Ingoda Rivers) Amur Grey-headed Bunting.

3: 2 males, 1 unsexed.

1 Peking, China, 1 N. Lakhimpur, Assam, 1 Moirang, Manipur.

The head is brownish with a touch of grey and finer streaks. Upper parts and ear coverts light chestnut compared to *arcuata*.

Measurements on p. 12

2056 *Emberiza pusilla* Pallas (Transbaikalian Alps) Little Bunting 3:200.

44: 24 males, 9 females, 11 unsexed.

Hawiplain, Mesopotamia, 4 Temple of Heaven, 10 Peking, China; 2 Temi, W. Sikkim, 2 Sikkim, 1 Batase, 1 Shamgong, C. Bhutan, 2 Rongtong, 3 Wamrong, 5 Gomchu, 1 Deothang, E. Bhutan, 1 Bhutan *duars*, 6 Goalpara, 1 Shillong, Assam, 1 Taungup Pass, Prome, 1 Prome, 1 South Shan States, Myanmar, 1 Bareilly Market.

The fourteen Chinese specimens were collected by Maj. H.J. Walton in October 1900 to May 1907, and Bhutan specimens in February/March 1966 and March-April 1967 by SálímAli.

A small bunting with a deep rufous, central coronal stripe and two broad black stripes on the sides of the crown, not likely to be confused with any other bunting, except perhaps with the female Reed Bunting, but can be separated by the rufous streaking on breast and flanks, whiter lower

breast and belly; forked tail with pointed rectrices, the outermost pair being almost white.

Measurements on p. 12

2057 *Emberiza striolata* (Lichtenstein) (Ambukol, Nubia) Striolated Bunting 3:217.

18: 11 males (3 by plumage), 3 females, 4 unsexed.

3 Charbar, Persian Gulf, 2 Burida Pass, Kalat, 1 Jaun Khozdar, 1 Chaman, Baluchistan, 1 Sind, 1 Mubarakpur near Ambala, 1 Chandigarh, 2 Lal Sohara, Bahawalpur, 1 Bhujia Fort, 1 Bhuj, 1 Kutch, 1 Deesa, Palanpur, 1 Hingolghadh, Jasdian, 1 Indore.

A bunting with characteristic black streaks on a greyish-white head. Female has sandy brown crown with dark brown streaks. Shorter tail with almost roundish tips to the rectrices, lacks white in the tail. The outer margin and tips of outer pair of rectrices dark rufous. Sexes easily distinguishable.

Measurements on p. 12

2058 *Emberiza schoeniclus pallidior* Hartert (Aiderli, Turkestan) Central Asian Reed Bunting 3:197.

22: 9 males, 10 females, 3 unsexed.

1 Oxfordshire, 1 Kashgar, 1 Hunting Park, 7 Peking, 1 Khotan, Sinkiang, China; 1 Sheik Saud, 1 Amara, 1 Mesopotamia, 1 Chaman, Baluchistan, 1 Attock, River Indus, 1 Campbellpur, 3 Rawalpindi, 2 Jagadri, Ambala, Punjab.

All specimens were collected during winter, November/December 1900 to March 1931. The black head, cheeks, chin and throat of the males have a mottled appearance, due to the brown fringes of feathers. Females have a streaked head.

Measurements on p. 12

2059 *Emberiza schoeniclus pyrrhuloides* Pallas (Astrakhan) Thick-billed Reed Bunting. Nil

6: 4 males (1 by plumage), 1 female, 1 unsexed.

2 Engeli, Persia, 1 Yarkand, 2 Keriya, 1 Khotan, Sinkiang, China.

Paler, larger version of *E.s. pallidior*; with a highly arched stouter bill. Female and the unsexed in female plumage have light brown and blackish-brown streaked head. One of the Engeli males - 7940 (28.vi.1919, R.E. Cheesman) is in female plumage with streaked head, but with the characteristic conspicuous, broad, buff supercilium of the male. The second Engeli male - 7939 (28.vi.1919, R.E. Cheesman), Keriya male (25.ii.1931, A. Sheriff) and the Yarkand specimen, male by

plumage (6.iv.1931, A. Shirriff), all have pure black crown, face, chin and throat, without any light fringes to the feathers. The Engeli specimen (7939) has a brownish-black mantle and dark grey rump, instead of the fulvous and brown streaked mantle and sandy brown rump of the other two males.

Only once recorded from Indian limits at Wular Lake, Kashmir on March 20 by Meinertzhagen (*Ibis* 1927: 394), the inclusion of this race in Indian limits is doubtful.

Measurements on p. 12

EL *Emberiza citrinella* Linnaeus (Sweden) Yellow Hammer

2 males

1 Hemel, Hampstead, Herts, U.K., 1 Russia

Measurements on p. 12

2060 *Melophus lathami* (Gray) (Canton, Kwangtung) Crested Bunting. 3:221.

49: 32 males, 15 females, 2 unsexed.

1 Bhagat, 1 Jabli, 1 Koti, NWH, 1 Gupta Kashi, 1 Mussooree, 1 Ranikhet, 1 Kedarnal, Almora, 1 Sonaripur, Kheri Dt., 1 Patiala, 1 Ambala, 1 Sunda Hill, 1 Jaswantpur Dt., 1 Narwar Fort, Gwalior, 1 Indore, 1 Dohad, 2 Dediapada, Rajpipla, 1 Kolkaz, Melghat, Berar, 1 Bees Aam, Amravati, Melghat, 2 Wagheri, 1 Trimbok road, Nasik, 1 Raita, 1 Wada, 1 Ambatti, Wada road, Thana, 3 Bhiwandi, 1 Khandala, 2 Poona, 1 Mahabaleshwar, 1 Sanchi, Bhopal, 1 Shahaga, 1 Bina, Saugar Dt., 1 Kawnpur, U.P., 6 Baghownie, Darbhanga, 2 Shamgong, Central Bhutan, 1 Rongtong, East Bhutan, 1 Phulguri, N. Kamrup, Assam, 1 Prome Dt., 1 Kamaing, 1 Mong, U. Burma, 1 Jaunggyi, Southshan States, Myanmar.

The specimens were collected from March 1886 to February 1976. 5 males in female plumage are smaller than the rest of the males and excluded while calculating the average of measurements. 6 males in April, one each in May and August, the rest are all collected during the winter. Among females, one each in April and June, and the rest in winter. Males collected in end January and February from Nasik, Bhiwandi, Shahgarh and Sonaripur have pure black feathers on the crest, mantle and abdomen, whereas 4 females collected in end-March to April from Rongtong, Shamgong (2) and Prome have light brown fringes to the black feathers of mantle and crest.

Measurements on p. 13

(Concluded)

